

WET BENCH: OXIDE ETCH + HYDROPHILIC CLEAN (RCA CLEAN)

	DRY	15 MIN
	RINSE	8 MIN
	SC2	10 MIN
	RINSE	8 MIN - 64 MIN TOTAL
	SC1	10 MIN
	RINSE	8 MIN
	HF ETCH	5 MIN

FIG. 1a

SINGLE WAFER CLEANING TOOL SINGLE STEP CLEAN OXIDE ETCH + HYDROPHILIC CLEAN

DRY	20 SEC	_
RINSE	20 SEC	
CHEMICAL CLEAN	30 SEC 2 MIN TOTAL	
RINSE	20 SEC	
НЕ ЕТСН	30 SEC	

FIG. 1b

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FIG. 2a

BINDS METAL IONS

FIG. 2b

$$\begin{array}{c|c} \operatorname{HO_2CH_2C} - \operatorname{N} - \operatorname{CH_2CH_2} - \operatorname{N} - \operatorname{CH_2CO_2H} \\ \\ \operatorname{HO} \\ \hline 0 \\ \end{array}$$

(HPED)

FIG. 3a

(TTHA)

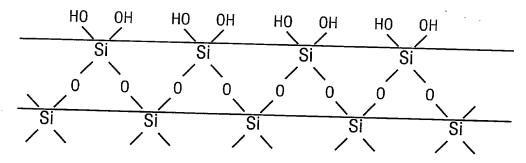
FIG. 3b

DESFERRIFERRIOXAMIN B

FIG. 3c

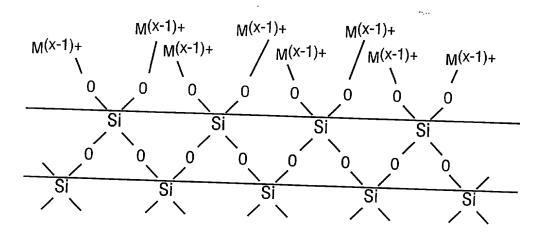
(BAMTPH)

FIG. 3d



HYDROXIDE TERMINATED SiO<sub>2</sub> FILM

FIG. 4a



**CHEMISORPTION** 

FIG. 4b

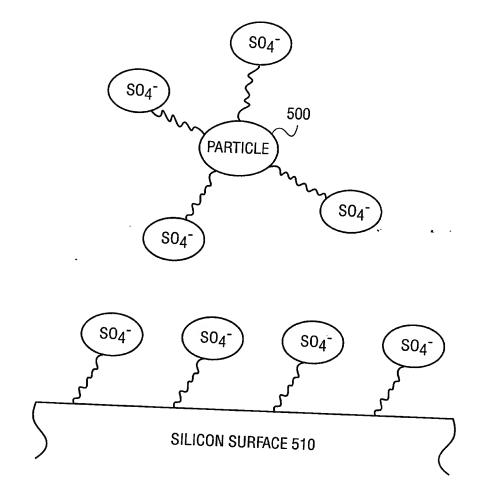


FIG. 5

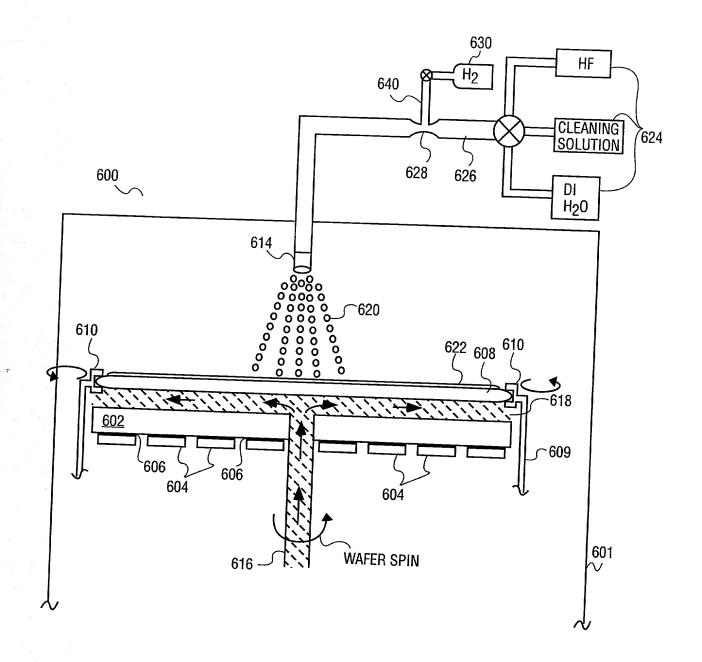
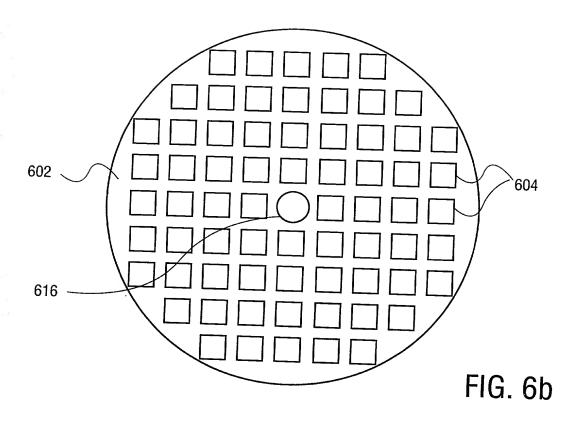
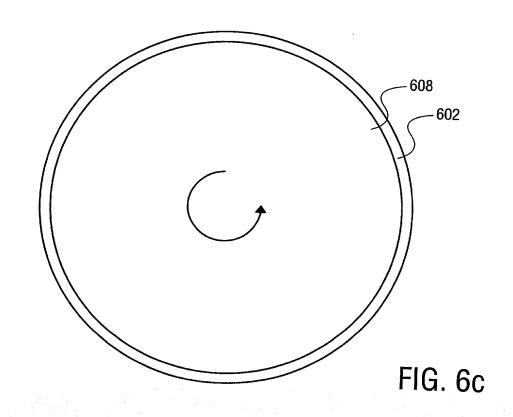


FIG. 6a





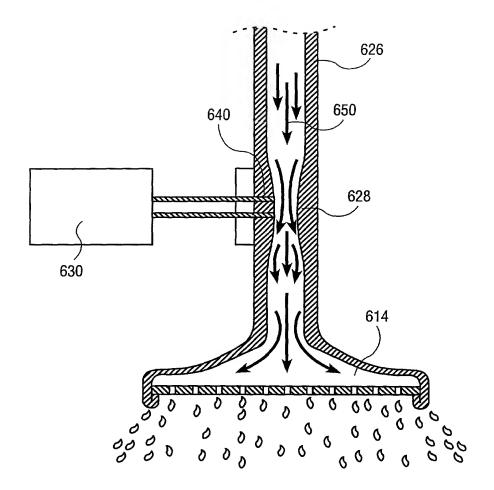


FIG. 6d

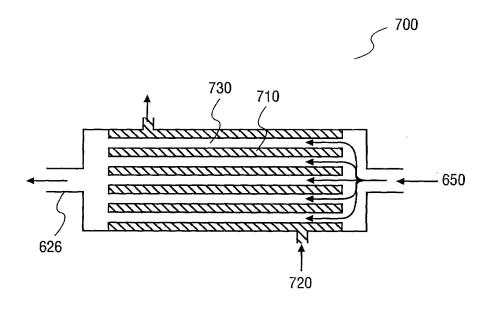


FIG. 7a

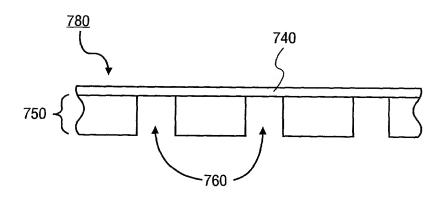


FIG. 7b

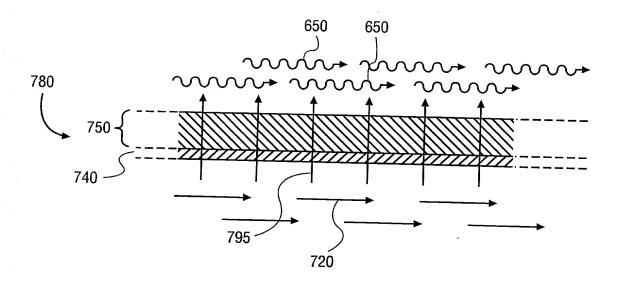


FIG. 7c

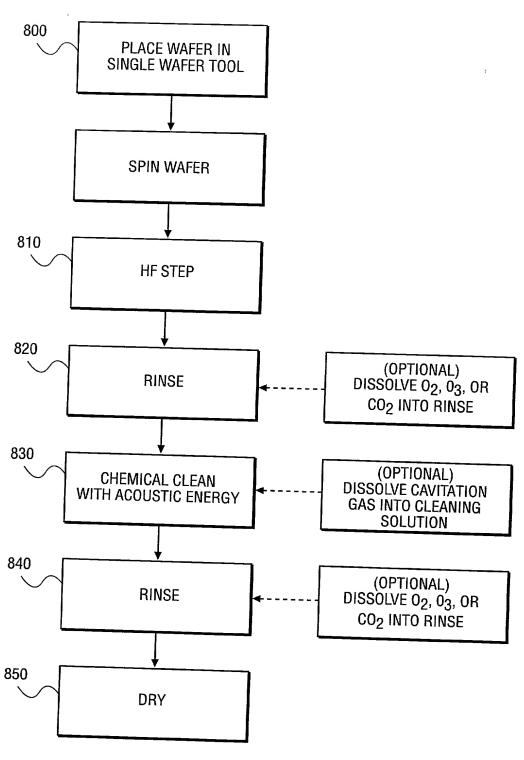


FIG. 8

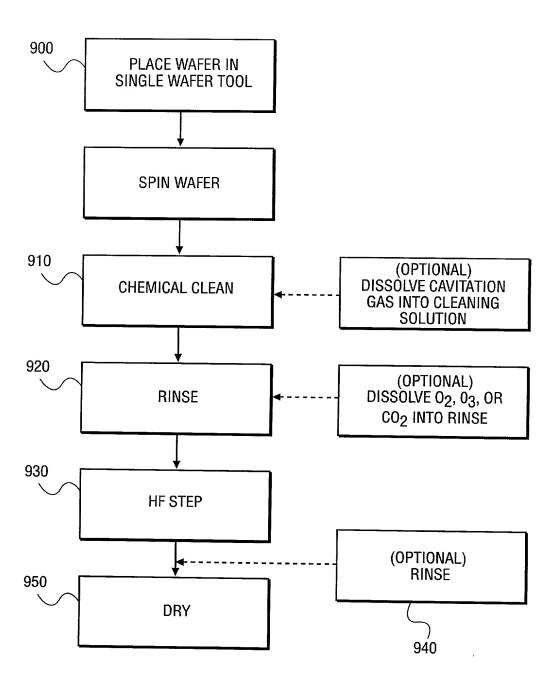


FIG. 9

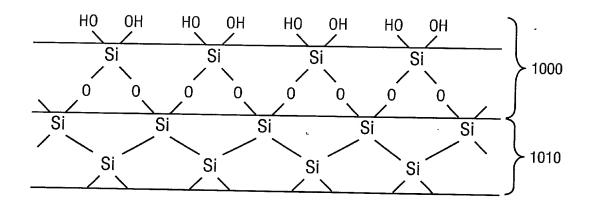
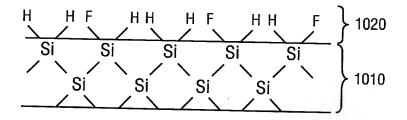


FIG. 10a



HYDROPHOLIC SURFACE

FIG. 10b

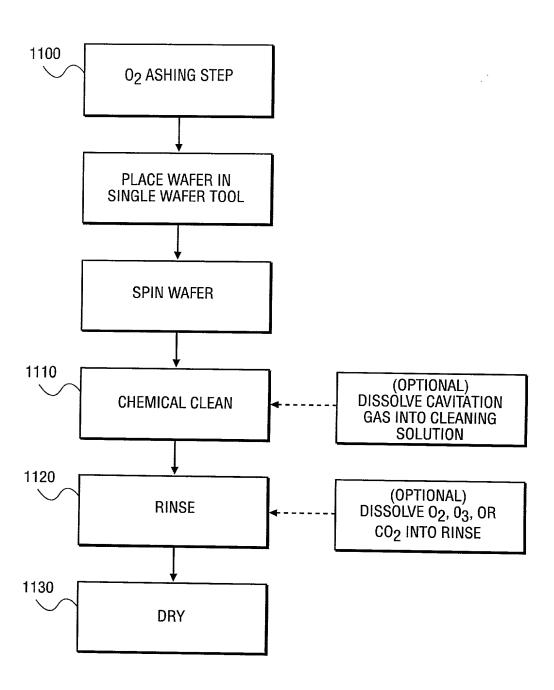


FIG. 11

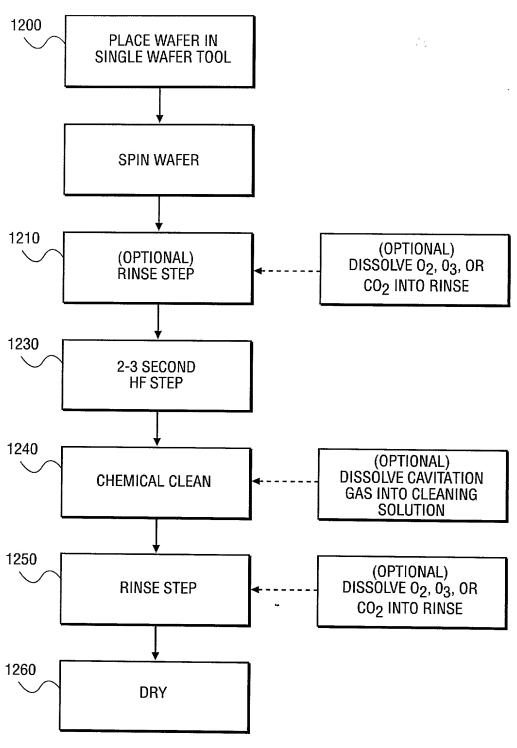


FIG. 12

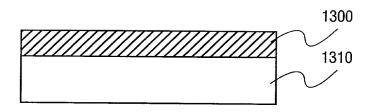


FIG. 13a

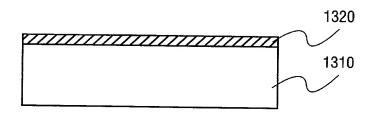


FIG. 13b